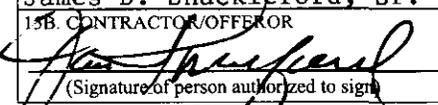
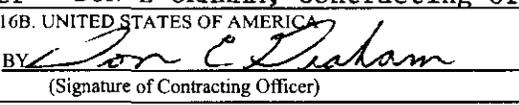


AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00132		3. EFFECTIVE DATE 01-Sep-2003	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO.(If applicable)	
6. ISSUED BY 45 CONS/LGCZR 1201 EDWARD H WHITE II ST PATRICK AFB FL 32925-3237		CODE FA2521	7. ADMINISTERED BY (If other than item 6) 45 CONS/LGCZR 1201 EDWARD H. WHITE II ST. PATRICK AFB FL 32925-3237		CODE FA2521
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) COMPUTER SCIENCES RAYTHEON 1201 EDWARD H. WHITE II ST PATRICK AFB FL 32925-0127				9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
CODE 0DN90 FACILITY CODE				X 10A. MOD. OF CONTRACT/ORDER NO. F08650-00-C-0005	
				X 10B. DATED (SEE ITEM 13) 06-Mar-2001	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) BILATERAL-JAW 52.243-5, CHANGES					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) CO: Don E Graham PH: 321-494-7094 Email: don.graham@patrick.af.mil  SEE PAGE TWO					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print) James D. Shackelford, Sr. Contracts Manager			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) DON E GRAHAM, Contracting Officer		
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		15C. DATE SIGNED 9/29/03	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)		16C. DATE SIGNED 9/29/03

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

A. The purpose of this bilateral modification is to:

1. Incorporate changes in paragraphs 1.8.7.2 and 1.8.7.4 of the Statement of Work (SOW) as defined in the contractors change proposal 02-135, dated 10 Sep 03. CLIN 3006-Communications MXB will be increased by \$406,879. CLIN 3009AQ-Award Fee will be increased by \$26,447. Total change is \$433,326. CLIN 3010 is decreased by \$433,326.

**A vertical line in the right margin denotes changes.**

B. Part 1- THE SCHEDULE

(1) Section B – Supplies/Services and Price/Cost

CLIN 3006 is increased by \$406,879 and CLIN 3009AQ is increased by \$26,447 and CLIN 3010 is decreased by \$433,326; Pages B-18, B-20, B-21, B-22 are hereby superseded by the attached replacement pages B-18, B-20, B-21, B-22 marked “Modification P00132”.

(1) Section J-Attachment 1

SOW pages 21, and 22 are hereby superseded by the attached replacement pages 21 and 22 marked “Modification P00132”.

SOW page 21.1 is hereby created.

C. All other contract terms and conditions remain unchanged.

D. Release of Claims: In consideration of the modification agreed to herein as complete and equitable adjustment the contractor releases the government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to the referenced proposal.

////////////////////////////////////LAST ITEM////////////////////////////////////

CONTRACT LINE ITEM (CLIN)	DESCRIPTION	QTY	UNIT	ESTIMATED COST
3001	TECHNICAL SERVICES - Nominal range turn time 48 hours (Operations and Maintenance) (Cost-Plus-Award Fee) From Change To Est. Cost \$ 50,109,570 \$ 50,109,570	1	JO	\$ 50,109,570
3002	RESERVED(Operations and Maintenance) (Cost-Plus-Award Fee) From Change To Est. Cost	1	JO	\$ -
3003	RANGE COMMUNICATIONS SUSTAINMENT (Firm Fixed Price or Cost-Plus-Fixed Fee Modifications) Baseline \$8.12M	1	JO	\$ 36,911
3003AA	Cost-Plus-Fixed Fee From Change To			
3003AA01	Est. Cost \$34,177 \$34,177			
3003AA02	Fixed Fee \$2,734 \$2,734			
3003AB	Firm Fixed Price From Change To \$ - \$0 \$0			
3004	RESERVED			
3005	PRICE OPTION CLIN - WEATHER STATION OBSERVATIONS AT PATRICK AFB (Cost-Plus-Award Fee) SEE NOTE 3 From Change To Est. Cost \$ 183,018 \$ 183,018	1	JO	\$ 183,018
3006	PRICE OPTION CLIN - COMMUNICATIONS (MXB) (Cost-Plus-Award Fee) SEE NOTE 4 From Change To Est. Cost \$ 1,491,724 \$ 406,879 \$ 1,898,603	1	JO	\$ 1,898,603
3007	RSA/SLRS PROGRAM SUPPORT (Cost-Plus-Award Fee/LoE) From Change To Est. Cost \$ 6,995,901 \$ 6,995,901	1	JO	\$ 6,995,901

CONTRACT LINE ITEM (CLIN)	DESCRIPTION	ESTIMATED COST
3009AM	Award Fee Pool Available/Earned 01 Sep 03 – 30 Sep 03 (Associated with CLIN 3005) From Change To Est. Cost \$ 991 \$ 991	\$ 991
3009AN	Award Fee Pool Earned 01 Oct 02 – 28 Feb 03 (Associated with CLIN 3006) From Change To Est. Cost \$ 40,401 \$ 40,401	\$ 40,401
3009AP	Award Fee Pool Earned 01 Mar 03 – 31 Aug 03 (Associated with CLIN 3006) From Change To Est. Cost \$ 47,754 \$ 47,754	\$ 47,754
3009AQ	Award Fee Pool Available/Earned 01 Sep 03 – 30 Sep 03 (Associated with CLIN 3006) From Change To Est. Cost \$ 8,080 \$ 26,447 \$ 34,527	\$ 34,527
3009AR	Award Fee Pool Earned 01 Oct 02 – 28 Feb 03 (Associated with CLIN 3007) From Change To Est. Cost \$ 259,617 \$ 259,617	\$ 259,617
3009AS	Award Fee Pool Earned 01 Mar 03 – 31 Aug 03 (Associated with CLIN 3007) From Change To Est. Cost \$ 229,371 \$ 229,371	\$ 229,371
3009AT	Award Fee Pool Available/Earned 01 Sep 03 – 30 Sep 03 (Associated with CLIN 3007) From Change To Est. Cost \$ 39,033 \$ 39,033	\$ 39,033
TOTAL PROPOSED AWARD FEE		\$ 3,615,137
AWARD FEE EARNED		\$ 3,275,392
AWARD FEE held in contingent liability		\$ 339,745

CONTRACT LINE ITEM (CLIN)	DESCRIPTION	QTY	UNIT	ESTIMATED COST
3010	REIMBURSABLE SERVICES (Non-fee bearing)			
3010AA	Overtime From Change To Est. Cost \$ 5,638,129 \$ - \$ 5,638,129	1	JO	\$ 5,638,129
3010AB	Travel and Per Diem From Change To Est. Cost \$ 1,041,877 \$ - \$ 1,041,877	1	JO	\$ 1,041,877
3010AC	Contractor Acquired Property (CAP) Funding From Change To \$ 11,112,845 \$ (433,326) \$ 10,679,519 Est Amount Unfunded Funded Est. Cost \$ 10,679,519 \$ 10,679,519	1	JO	\$ 10,679,519
3010AD	Downrange A&E From Change To Est. Cost \$ 1,620,000 \$ - \$ 1,620,000	1	JO	\$ 1,620,000
3010AE	Downrange Construction <u>Baseline \$2.77M</u> From Change To Est. Cost \$ 66,969 \$ - \$ 66,969	1	JO	\$ 66,969

ESTIMATED COSTS (CLINS 3001 – 3008) (exclude 3002 & 3003)	\$ 59,187,092
Total Funded Amount (CLINS 3001-3008) (exclude 3002&3003)	\$ 59,187,092
ESTIMATED COST (CLIN 3003)	\$ 36,911
AWARD FEE held in contingent liability	\$ 339,745
AWARD FEE Earned	\$ 3,275,392
ESTIMATED COSTS (CLINS 3010AA - AE)	\$ 19,046,494
Total Funded Amount (CLINS 3010AA-AE)	\$ 19,046,494
TOTAL ESTIMATED AMOUNT FY03	\$ 81,885,634
TOTAL FUNDED AMOUNT FY03	\$ 81,545,889
ESTIMATED COSTS (CLINS 3002 – 3008) (exclude 3003)	
ESTIMATED COST (CLIN 3003)	
AWARD FEE (CLINS 3009AD - AT)	
ESTIMATED COSTS (CLINS 3010AA - AE)	
TOTAL ESTIMATED AMOUNT FY03	

- 1.8.6.4 Perform postlaunch inspections at launch complexes for damages sustained by communications equipment and facilities and initiate corrective action to repair or replace the damage.
- 1.8.6.5 Operate and maintain closed circuit television (CCTV), Cape Cable Television Distribution System (CCTDS) and data transport systems equipment to support scheduled operations. Maintain communications distribution system through the MDF but not beyond the demarcation block at LO&SC facilities.
- 1.8.6.6 Operate and maintain ER video transmission and CCTV/CCTDS systems including video cameras, monitors, recorders, patching, test facilities, wideband amplifiers, equalizers, and transmission “treatment” equipment, as applicable. Install selected CCTDS throughout CCAFS, as required.
- 1.8.6.7 Patch and Test. Operate the communication control and technical areas to ensure assets are available to support scheduled operations.
- 1.8.6.8 Manage and control circuit patching, switching, transmission treatment and terminal equipment, operating consoles, and cordless switchboards to provide reliable communications to users.
- 1.8.6.9 Maintain AF Forms 2586, process Bell South circuit orders, maintain CCAS long-line leased communication circuit folders including Feeder Request for Service and in-effect reports, manage the database, maintain circuit outage reports, verify downtime, verify facility link data for Antigua, and initiate Space Shuttle circuit requests for service.
- 1.8.6.10 Maintain the cryptologic equipment for the ER.
- 1.8.6.11 Maintain the RSVV and all mobile production equipment. Maintain communications between the UCS and the TVOC.
- 1.8.6.12 Operate and maintain communications satellite terminal equipment and associated network management, health, and status equipment.. Request air-to-ground satellite circuits.
- 1.8.6.13 In LO&SC facilities, maintain 45 SW LAN end instruments, GCCS, COMSEC support equipment, and pad safety consoles. Maintain only 45 SW LAN end instruments in Bldgs 60705 and 60709.
- 1.8.6.14 Schedule operating times to control RF emanations originating from the ER and KSC. Deconflict frequencies to ensure bandwidths do not overlap. Report all incidents of electromagnetic interference. [ADPL A233A]
- 1.8.6.15 Serve as POC for RF environmental control at CCAS for protection of payloads from RF exposure during prelaunch processing.
- 1.8.6.16 Maintain a daily frequency schedule to ensure an interference-free RF environment in support of Range operations. [ADPL A233A]
- 1.8.6.17 Operate and maintain HF, VHF, UHF, and microwave transmitters and receivers and associated devices including Doppler correction units, voice control units, multicouplers, multiplex equipment, air and ground radio equipment to provide the necessary air and ground point-to-point communications as required for operations.
- 1.8.6.18 Provide 24-hour-a-day, 7-day-a-week manned communications control operation and on-call maintenance of US Navy-provided UHF/VHF equipment located at CCAS.
- 1.8.6.19 Operate and maintain the components of the RSA Phase 1 Cape Fiber Optics Network (CFON) system required to support RSA SATCOM. Operations and maintenance of the remainder of the CFON system is not required.

### **1.8.7 Communications (MXB)**

Perform organizational maintenance and DLM on all ER HF and VHF/UHF antenna microwave systems.

- 1.8.7.1 Perform DLM annually or as directed by applicable Technical Orders or manufacturers’ maintenance manuals.
- 1.8.7.2 Provide survey, design, engineering, drafting, and installation services for PAW, DRCS (from switch up to and including the end instruments) and Green Phone systems.
- 1.8.7.3 Perform depot-level repair on PAW/TOPS and Green Phones.
- 1.8.7.4 Install and terminate copper and fiber optics communications cable to any government controlled facility on the ER, except Patrick Air Force Base, or to the commercial/government demarcation point. Install all termination equipment required for cable termination. Perform all engineering coordination, test, documentation and configuration management activities required for both the cable and required termination equipment. Install inner ducts, when required, in support of fiber-optic cable installations. Clean and repair ducts as needed during any cable installation.

1.8.7.5 Open, seal, and repair lead-sheath communications cables and tone and tag paper-insulated cable pairs, ranging from 6-pair to 1,800-pair. Splice wideband video cable, ranging from 4-pair to 36-pair. Repair plastic sheath-filled cables to include universal color codes for communications cables ranging from 6-pair to 3,600-pair.

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Sect J-Attach 1-Page 21.1

1.8.7.6 Expand the backbone cable plant as necessary.

**1.8.8 Communications Support—Antigua AS**

Operate and maintain communications at Antigua AS to include the administrative telephone element, intercom (PAW/TOPS), and VHF, UHF, and SATCOM equipment. Request air-to-ground satellite circuits.

1.8.8.1 Manage and perform organic (level-1 maintenance on the Land Mobile Radio (LMR) system.

**1.8.9 Communications Support—Ascension AAF**

Operate and maintain communications instrumentation at Ascension AAF to ensure a reliable and capable support element for operations and daily activity.

1.8.9.1 Operate and maintain the Global High Frequency system and Weather Intercept Facility in Mode 1, 24 hours a day, 7 days a week.

1.8.9.2 Request air-to-ground satellite circuits. Manage and perform organic (level-1) maintenance on the Land Mobile Radio (LMR) system.

1.8.9.3 Operate and maintain Contingency Bent Pipe Communications satellite terminal equipment.

1.8.9.4 Operate and maintain Air Traffic Control and Landing Systems (ATCALs). (e.g. VORTAC, low-frequency navigation beacons, and related air-ground radio)

**1.8.10 Naval Ordnance Test Unit (NOTU)**

Operate and maintain communication systems within Navy-designated areas at CCAS to support scheduled operations.

1.8.10.1 Operate and maintain cable plant at Complex 46, Navy TOF, Hangars AP, AQ, and Z, and GTB and all associated intercommunications, public address, aural warning, and CCTV systems.

1.8.10.1.1 Provide operational checks on communications equipment installed in the Navy area.

1.8.10.1.2 Perform periodic tests to ensure operational readiness of equipment and circuits.

1.8.10.1.3 Process defective modules and components for vendor repair and ensure a spare-parts inventory while maintaining custodial accountability of hardware, spares, and test equipment.

1.8.10.1.4 Operational checks shall be performed as follows: (a) perform routine operational checks 5 days a week with daily keying and on-call maintenance service within 4 hours and (b) perform critical operational checks 7 days a week, with daily keying and on-call maintenance within 4 hours. Critical periods start with the beginning of each CET and DASO operation until end of exercise plus 5 days.

1.8.10.1.5 Perform operational checks at the TOF during the Critical COMSEC support period including the 24-hour period after launch. Perform routine operational COMSEC support 24 hours a day, 5 days a week. Perform daily keying.

1.8.10.1.6 Perform COMSEC at the GTB during the critical periods that include the 5 hours on F-2, F-1, and launch day from T-1 hour to T+4 hours. Perform keying as required. Maintain routine operational COMSEC services 5 days a week, 8 hours a day, 0730L-1615L. Perform keying as required. Provide maintenance service available on-site during scheduled critical periods. Perform on-call maintenance service within 4 hours.

1.8.10.1.7 Provide management, keying, and COMSEC custodial service for STU-III and KOI-18 key fill operation equipment installed at the Navy contractor IEC/FTSS office and the Navy contractor office trailer at JDMTA.

**1.8.11 AFRL Ionospheric Scintillation Monitoring—Ascension AAF**

Operate and maintain the AFRL Scintillation Data Recording System at Ascension 8 hours a day, 5 days a week.

1.8.11.1 Perform daily system calibrations.

1.8.11.2 Prepare and mail data files and strip chart recordings per customer and operational instructions.

**1.8.12 NASA Communications Support**

Operate and maintain communication end-item equipment in support of NASA and required for scheduled operations at Hangars AE, AO, J, K, L, M, AM, and S and ESA 60 facilities. Operate and maintain wideband transmission and CCTV to support NASA